

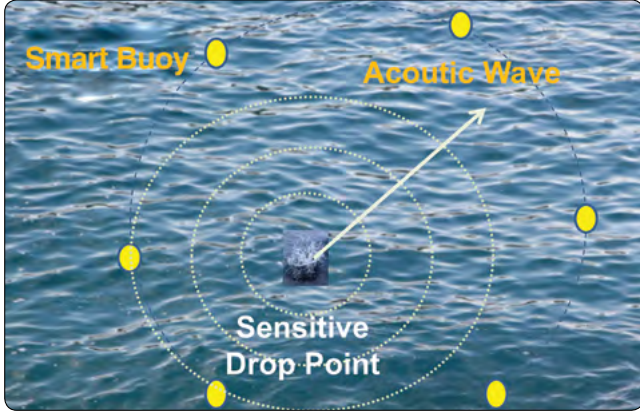
# Offshore & Inshore Weapon Scoring System



[www.kocsavunma.com.tr](http://www.kocsavunma.com.tr)



Offshore & Inshore Weapon Scoring System is a one hundred percent native design system used to monitor floating platforms with Remote Positioning Unit.



"Smart buoys that detect the impact of the ammunition on the water surface."

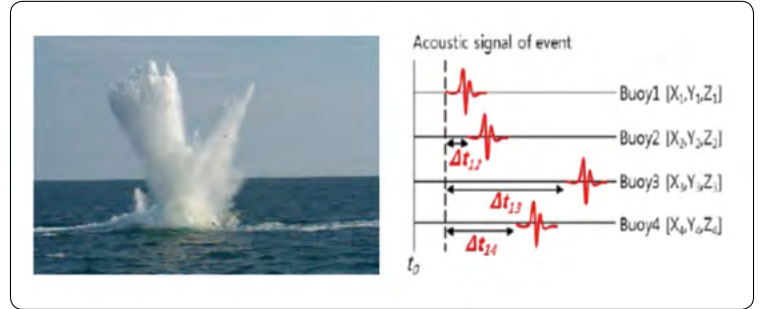
### Key Features

- Detecting inert and explosive projectiles' water impact
- Precise firing scoring
- GPS time synchronization
- Wireless communication between buoys and Locating Station
- Displaying projectile impact and buoys' positions on digital map
- Monitoring System Status
- Operation capability within sea states 0, 1, and 2
- Compatible with sea environmental conditions.

Offshore & Inshore Weapon Scoring System calculates and demonstrates accurate scoring for firing exercises. The system comprises of smart buoys which detects acoustic event when projectiles impact water surface. The precise position of the buoys and acoustic event observed by each buoy are transmitted to Locating Station in order to calculate and display firing score to operator immediately.

Firing scoring and verifying activities can be executed with lower costs and reduced learning curves with Offshore & Inshore Weapon Scoring System.

Sensitive drop point detection is done on the Measurement Station. The difference that the buoys perceives is made by taking advantage of the Time Difference of Arrival method.



"Water entry crash sound"

### System Component:

#### Smart Buoys consist of following parts;

- Acoustic Sensors
- Processing Unit
- GPS Sensor and Antenna
- RF/GSM Modem and Antennas
- Solar Lantern
- Radar Reflector
- Chargeable Batteries

#### Measurement Station;

- Rugged Laptop
- GPS sensor and antenna
- RF modem and antenna
- MTS Software

### Abilities:

- Detection of projectile drop points within 1 km diameter with 6 smart buoys,
- Sensitive projectiles drop point detection (CEP < 10 m.),
- Synchronous operation of GPS time,
- Wireless communication between buoys and measuring station (via RF / GSM),
- Show the drop position information of the buoy and projectile on the map via the Measurement Station,
- To be able to observe the system status through the measuring station, to perform the monitor and control functions,
- Ability to work in sea conditions 0,1 and 2,
- Products developed according to marine environmental conditions

Üniversiteler Mah. İhsan  
Doğramacı Bulvarı No:17/B 06800  
ODTÜ Kampüsü-Ankara/ TÜRKİYE

Ünalan Mah. Ayazma Cad.  
Çamlıca İş Merkezi B3 Blok 34700  
Üsküdar İstanbul/ TÜRKİYE

Tel +90 (312) 218 89 00  
Faks +90 (312) 218 89 90

Tel +90 (216) 556 11 00  
Faks +90 (216) 556 11 88

info@kocsavunma.com.tr

www.kocsavunma.com.tr

 **Koç**  
Koç Bilgi ve Savunma Teknolojileri A.Ş.